STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	STP00-2610-00(004)	268	352

VOID

PIPE NETWORK "B" Sd2 TABLE

Inlet	Drainage Area (AC)	Disturbed Area (AC)	Required Storage (CY)	Excavated Depth (FT)	Excavated Length (FT)	Excavated Width (FT)	Storage Provided (CY)
B-01	0.16	0.16	10.72	3.0	12.0	10.0	11.56
B-02	0.27	0.27	18.09	3.0	16.0	12.0	19.53
B-03	0.27	0.27	18.09	3.0	16.0	12.0	19.53
B-03A	0.09	0.09	6.03	3.0	10.0	8.0	7.19
B-04	0.39	0.39	26.13	3.0	22.0	12.0	27.53
B-05	0.18	0.18	12.06	3.0	14.0	10.0	13.77
B-06	0.38	0.38	25.46	3.0	22.0	12.0	27.53
B-07	0.13	0.13	8.71	3.0	10.0	10.0	9.31
B-08	0.50	0.14	9.38	3.0	12.0	10.0	11.55
B-09	0.14	0.14	9.38	3.0	12.0	10.0	11.55
B-10	0.28	0.28	18.76	3.0	16.0	12.0	19.53
B-11	0.28	0.28	18.76	3.0	16.0	12.0	19.53
B-12	0.28	0.28	18.76	3.0	16.0	12.0	19.53
B-13	0.08	0.08	5.36	3.0	10.0	8.0	7.19
B-14	0.08	0.08	5.36	3.0	10.0	8.0	7.19
B-15	0.25	0.25	16.75	3.0	16.0	12.0	19.53
B-16	0.31	0.31	20.77	3.0	18.0	12.0	22.20
B-17	0.37	0.37	24.79	3.0	20.0	12.0	24.87
B-18	4.83	0.15	10.05	3.0	12.0	10.0	11.55
B-19	0.28	0.28	18.76	3.0	16.0	12.0	19.53
B-20	0.13	0.13	8.71	3.0	10.0	10.0	9.31
B-21	0.18	0.18	12.06	3.0	14.0	10.0	13.77
B-25	0.20	0.20	13.40	3.0	14.0	10.0	13.77
B-26	0.20	0.20	13.40	3.0	14.0	10.0	13.77
B-27	0.18	0.18	12.06	3.0	14.0	10.0	13.77
B-28	0.17	0.17	11.39	3.0	12.0	10.0	11.56
B-29	0.17	0.17	11.39	3.0	12.0	10.0	11.56
B-30	0.13	0.13	8.71	3.0	10.0	10.0	9.31
B-33	0.32	0.32	21.44	3.0	18.0	12.0	22.20
B-34	0.28	0.28	18.76	3.0	16.0	12.0	19.53
B-35	0.23	0.23	15.41	3.0	16.0	10.0	15.98
B-36	0.22	0.22	14.74	3.0	16.0	10.0	15.98
B-37	0.15	0.15	10.05	3.0	12.0	10.0	11.56
B-38	0.18	0.18	12.06	3.0	14.0	10.0	13.77
B-39	0.57	0.57	38.19	3.0	26.0	14.0	38.64
B-40	0.42	0.42	28.14	3.0	24.0	12.0	30.20
B-41	0.42	0.42	28.14	3.0	24.0	12.0	30.20
B-42	0.29	0.29	19.43	3.0	16.0	12.0	19.53
B-43	0.15	0.15	10.05	3.0	12.0	10.0	11.56
B-44	0.21	0.21	14.07	3.0	16.0	10.0	16.10
B-45	0.16	0.16	10.72	3.0	12.0	10.0	11.56
B-46	0.41	0.22	14.74	3.0	16.0	10.0	15.98
TOTAL	15.10	9.87	661.29				699.28
				SHEET FLOW			15.45 Acres

PIPE NETWORK "D" Sd2 TABLE

Inlet	Drainage Area (AC)	Disturbed Area (AC)	Required Storage (CY)	Excavated Depth (FT)	Excavated Length (FT)	Excavated Width (FT)	Storage Provided (CY)
D-02	0.10	0.10	6.70	3.0	10.0	8.0	7.19
D-03	0.16	0.16	10.72	3.0	12.0	10.0	11.56
D-04	0.16	0.16	10.72	3.0	12.0	10.0	11.56
D-05	0.24	0.24	16.08	3.0	14.0	12.0	16.87
D-06	0.22	0.22	14.74	3.0	16.0	10.0	15.98
D-07	0.23	0.23	15.41	3.0	16.0	10.0	15.98
D-08	0.17	0.17	11.39	3.0	12.0	10.0	11.56
D-09	0.24	0.24	16.08	3.0	14.0	12.0	16.87
D-10	0.07	0.07	4.69	3.0	10.0	6.0	4.86
D-11	0.07	0.07	4.69	3.0	10.0	6.0	4.86
D-12	0.21	0.21	14.07	3.0	16.0	10.0	15.98
D-14	0.15	0.15	10.05	3.0	12.0	10.0	11.56
D-15	0.11	0.11	7.37	3.0	10.0	10.0	9.31
D-16	0.19	0.19	12.73	3.0	14.0	10.0	13.77
D-17	0.46	0.46	30.82	3.0	26.0	12.0	32.97
D-18	0.38	0.38	25.46	3.0	22.0	12.0	27.53
D-19	0.25	0.25	16.75	3.0	14.0	12.0	16.87
D-20	0.14	0.14	9.38	3.0	12.0	10.0	11.56
D-21	0.30	0.30	20.10	3.0	18.0	12.0	22.20
D-22	0.14	0.14	9.38	3.0	12.0	10.0	11.56
D-23	0.25	0.25	16.75	3.0	14.0	12.0	16.87
D-24	0.30	0.30	20.10	3.0	18.0	12.0	22.20
TOTAL	4.54	4.54	304.18				329.67

PIPE NETWORK "E" Sd2 TABLE

Inlet	Drainage Area (AC)	Disturbed Area (AC)	Required Storage (CY)	Excavated Depth (FT)	Excavated Length (FT)	Excavated Width (FT)	Storage Provided (CY)
E-01	0.62	0.62	41.54	3.0	28.0	14.0	41.75
E-02	0.62	0.62	41.54	3.0	28.0	14.0	41.75
E-04	0.41	0.14	9.38	3.0	12.0	10.0	11.56
E-06	0.22	0.22	14.74	3.0	16.0	10.0	15.98
E-7A	0.22	0.22	14.74	3.0	16.0	10.0	15.98
E-08	0.55	0.55	36.85	3.0	26.0	14.0	38.64
E-09	1.06	0.52	71.02	3.0	26.0	14.0	38.64
E-10	0.51	0.51	34.17	3.0	26.0	14.0	38.64
E-11	0.51	0.51	34.17	3.0	26.0	14.0	38.64
E-12	0.41	0.41	27.47	3.0	22.0	12.0	27.53
TOTAL	5.13	4.32	325.62				309.11
				SHEET FLOW		0.81 Acres	

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS
No alternative or additional BMPs will be used on this project.

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT
All outfalls are either located further than 1 linear mile upstream of or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b, or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

STREAM BUFFER ENCROACHMENT
Stream Buffers are not impacted by this project. The contractor is not authorized to enter into stream buffers.

SAMPLING GENERAL NOTES:
Representative sampling may be utilized on this project. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0–10, 10 being the most erodible soil. The construction activity types are a new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is less than or equal to 0,03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and ESPCP, the Department has determined that a representative sampling is valid for the duration of the project. The table below shows the groups of similar outfall drainage basin.

The increase in turbidity at the specified locations will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

SAMPLING INFORMATION												OUTFALL CHARACTERISTICS				
Monitoring Site	Primary or Alternative Site	Location (Station and Side)	Name of Receiving Water	Applicable Construction Stage for Monitoring	Sampling Type Outfall or Receiving Water	Drainage Area for Receiving Water (Sq. Miles)	Upstream Disturbed Area (Acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Monitoring Only)	Allowable NTU Increase (Receiving Water Only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (rise/Run)	Soil Erosion Index	Alternate Outfall Drainage Basins
1	PRIMARY	14+43–81'R	UNNAMED TRIBUTARY	ALL	OUTFALL	0.29	4.44	WARM	50	25	At Str. A–06	Road Widening	3.25	0.005	2	
2	PRIMARY	60+30–98'R	U.N.TRIBUTARY (CANAL)	ALL	RECEIVING WATER	8.04	9.87	WARM	NA	NA	At Str. B–47	Road Widening	3.25	NA	NA	
3	PRIMARY	60+60–98'L	U.N.TRIBUTARY (CANAL)	ALL	RECEIVING WATER	8.04	4.54	WARM	NA	NA	At Str. D–01	Road Widening	3.25	NA	NA	
4	PRIMARY	85+25–75'L	MILL CREEK	ALL	RECEIVING WATER	8.66	4.32	WARM	NA	NA	At Str. E–05	Road Widening	3.25	NA	NA	

The primary site specified should be used as the initial sampling location. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

INSPECTING AND SAMPLING PROCEDURES
See Special Provision 167 and other contract documents for Inspecting and Sampling Methods and Procedures.

READY MIX CHUTE WASH–DOWN
The washing of ready–mix concrete drums and dump truck bodies used in the delivery of portland cement concrete is prohibited on this site.

In accordance with standard Specification 107 – Legal Regulations and Responsibility to the Public, only the discharge "chute" utilized in portland cement concrete delivery may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the traveled way, including shoulders, for a wash–down pit. The pit shall be large enough to store all wash–down water without overtopping. Immediately after the wash–down operations are completed and after the wash–down water has soaked into the ground, the pit shall be filled in, and the ground above shall be graded to match the elevation of the surrounding areas smoothed out. Alternate wash down plans must be approved by the Project Engineer.

Wash–down plans describe procedures that prevent wash down water from entering streams and rivers. Never dispose of wash–down water down a storm drain. Establish a wash–down water pit location that includes the following: (1) the pit is located away from a storm drain, stream or river, (2) the pit is accessible to the vehicle being used for wash–down, (3) the pit has enough volume for wash–down water, and (4) make sure you have permission to use the area for wash–down.

On some sites, you may not have permission or access to a location which allows for a wash–down pit. In those cases, the Contractor may have to wash–down into a wheelbarrow or other container and carry the container for transport to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash–down".

RECEIVING WATERS: MILL CREEK AND PEACOCK CREEK

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REVISION DATES		
12/05/13		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE: PROGRAM DELIVERY

ESPC GENERAL NOTES

VETERANS PARKWAY

DRAWING NO.
51–002